bill on his 6,000 square foot home from $3,700 to $1,500 per month after coating his roof with the same highly reflective coatings.

Benefits:

- Diversion of tires from the landfill
- Energy savings
- Reduction of carbon emissions
- Mitigation of the heat island effect where dark, non-reflective hardscapes and buildings absorb heat.

Manufacturing process: The primer, made from more than 50 percent recycled tire crumb rubber, is applied to the roof to provide a water barrier and insulation. The bright white topcoat, which contains glass microspheres, Teflon and bright white titanium oxide, is sprayed on top of the recycled tire rubber layer.

ASTM standards: A few of the ASTM standards that apply include:

- ASTM D6083-05e1 "Standard Specification for Liquid Applied Acrylic Coating Used in Roofing"
- ASTM D412-06ae2 "Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension"
- ASTM D1653-03 "Standard Test Methods for Water Vapor Transmission of Organic Coating Films"
- ASTM E 1918-97 "Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field"

A wide variety of high-quality, proven products are made from California's recycled tires.
For more information, and a list of vendors, visit CalRecycle online at:
http://www.calrecycle.ca.gov/tires/products/

Always remember to ask for products made from 100% California recycled tires!